

Abstract of JP 8256315 (A)

PURPOSE: To realize a technology that plural video images sent from plural video image sources via each transmission line are displayed on a display monitor by dividing one screen of the display monitor and synthesizing images of the divisions to be one pattern configuration.

CONSTITUTION: A monitor controller 100 obtains the resolution in response to the number ($=k$) of image pickup devices 200 being video image sources whose video images are desired to be displayed through synthesis and sends the obtained resolution to each of the k -sets of the image pickup devices via a communication network 300. Each of the k -sets of the image pickup devices reduces the video image fetched by a camera 7 so as to provide the resolution sent from the monitor controller and sends the reduced image to the monitor controller via a communication network. Then the monitor controller has only to control write addresses required to write picture elements of the k -sets of video images sent from the k -sets of the image pickup devices to a display frame memory 2.